

19990208.ba v02\_n421.bam.990208 v02\_n422.bam.990208

>From ???@??? Tue Feb 09 02:26:05 1999  
Date: Mon, 8 Feb 1999 12:56:55 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2421  
Message-Id: <19990208184642.222E0125AD@devel43.theporch.com>

### BOATANCHORS Digest 2421

Topics covered in this issue include:

- 1) Beryllium  
by Morris Odell <morriso@vifp.monash.edu.au>
- 2) On Sunspots  
by Rick <jdubzag@seanet.com>
- 3) Check Date of Puyallup Hamfest  
by Rick <jdubzag@seanet.com>
- 4) RE: Check Date of Puyallup Hamfest  
by "Jim Berry" <basalop@gte.net>
- 5) Re: Tube question  
by John M Iverson <jackiv@juno.com>
- 6) Re: WW-II Radio scenario help needed by author  
by Kargokult@aol.com
- 7) Re: WW-II Radio scenario help needed by author  
by Heinz und Hannelore Breuer <hbreuer@primus-online.de>
- 8) Re: WW-II Radio scenario help needed by author  
by Michael M Oxenreider <wb3ctc@juno.com>
- 9) Re: 1952 Callbook Lookup?  
by "John Dilks, K2TQN" <oldradio@worldnet.att.net>
- 10) Re: WW-II Radio scenario help needed by author  
by Dan Arney <kn6di@groupone.net>
- 11) RE: Military tube tester question  
by "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>
- 12) WW2 Spy Novel  
by Jderm740@aol.com
- 13) Help ! - TV-7D  
by Garey Barrell <k4oah@mindspring.com>
- 14) analog and digital  
by Nick England <nick@cs.unc.edu>
- 15) RBA-C needed - info on tbx-8  
by "Paul Bernhard Sr." <w2tu@email.msn.com>
- 16) Re: WW2 Spy Novel  
by "Ragnar Otterstad" <otterstad@inet.uni2.dk>
- 17) FS: 3,700 kc xtals  
by "John K9UWA" <k9uwa@cris.com>
- 18) Re: Tube question

- by John Shriver <jas@shiva.com>  
19) TV3/U manual needed  
by David and Shari Abell <dabell@aloha.net>  
20) 1V2s  
by William Donzelli <william@ans.net>  
21) Re: Various and Sundry  
by "Kenneth J. Lopez" <kjlopez@earthlink.net>  
22) APS23 APB (no jpg)  
by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)  
23) Re: APS23 APB (no jpg)  
by William Donzelli <william@ans.net>  
24) CE200V Schematic  
by Matt Jodziewicz <mattj@oraus.com>

-----  
Message-ID: <36BE6961.6E0A@vifp.monash.edu.au>  
Date: Mon, 08 Feb 1999 15:34:41 +1100  
From: Morris Odell <morriso@vifp.monash.edu.au>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: boatanchors@sco.theporch.com  
Subject: Beryllium  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all,

Arden Allen wrote:

> > > DO NOT DISASSEMBLE any ceramic tube. The ceramic material is made with  
> > > Beryllium and the ceramic dust is highly toxic!

> I've run into various VHF power amp transistors fabricated with beryllium  
> oxide and read all the warning signs and labels. The ceramic is very  
> stable stuff and not dangerous to handle when doing ordinary installation  
> and removal of devices. If for some unfortunate reason you have to work  
> with broken BeO, it's not so much dust (unless you grid the stuff) you have  
> to worry about but a possible tiny sliver of the stuff penetrating the skin  
> and getting into the blood stream. It's poisonous and a very small amount  
> can kill you.

I don't know about the risk if it gets into the bloodstream, but  
Beryllium dust is extremely toxic when inhaled. It sets up an  
inflammatory reaction in the lungs. This leads to progressive pulmonary  
fibrosis where the lungs scar up and lose the sponginess essential to  
their function. You die of slow suffocation. It's a bit like asbestos in  
this regard but apparently much more toxic. A minute amount is enough to  
trigger the process and there is precious little treatment short of lung

transplantation. Those of you who have worked in the nuclear industry will know that beryllium exposure in those places is controlled with the same thoroughness as exposure to radioactive materials with glove boxes, disposable clothing and respirators etc.

Be careful folks! We have a dangerous hobby and it's all too easy to get blase about it.

73 de Morris VK3DOC

-----  
Message-ID: <36BE7E81.49BA1BB5@seanet.com>  
Date: Sun, 07 Feb 1999 22:04:49 -0800  
From: Rick <jdubzag@seanet.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: On Sunspots  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anchorites:

These are sunspot numbers assembled by the Swiss Federal Observatory and published in: "The New Shortwave Propagation Handbook" Jacobs, Cohen, Rose and CQ Communications, Inc:

In 1942 decreasing from 44 in January to 21 in December.

In 1943 decreasing from 20 in January to 9 in December.

In 1945 increasing from 8 in January to 19 in December.

They look relatively low compared to the following.

Lows from other cycles were:

1933= 4, 1923= 6, 1913= 1, 1901= 3,  
1954= 3, 1964= 10, 1976=12, 1986= 13.

Highs from other cycles were:

1937= 119, 1928= 78, 1917= 105,  
1947= 152, 1958= 201, 1968= 111,  
1979= 165, 1989= 158.

Hope these numbers help fill in a few blanks.

Rick  
KC7VEM

-----  
Message-ID: <36BE7FDB.EBE27DEF@seanet.com>  
Date: Sun, 07 Feb 1999 22:10:36 -0800  
From: Rick <jdubzag@seanet.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Check Date of Puyallup Hamfest  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anchorites,  
I have not seen any comment on the Boatanchors digest that I receive.  
My flier concerning the Mike and Key Meet shows it being Saturday the  
13th of March. I pass this along in case someone might not catch the  
slip and make a scheduling error in the confusion.

73,  
Rick  
KC7VEM

-----  
From: "Jim Berry" <basalop@gte.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Check Date of Puyallup Hamfest  
Date: Sun, 7 Feb 1999 22:55:32 -0800  
Message-ID: <001101be5330\$058524e0\$7644fdd0@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello Group,

Yes it is the 13th. I sent a note out several days ago and flubbed the  
date.

The 13th and not the 11th like I sent.

73 Jim K7SLI

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Date: Mon, 8 Feb 1999 01:04:23 CST  
Subject: Re: Tube question  
Message-ID: <19990208.011211.3550.1.jackiv@juno.com>  
From: John M Iverson <jackiv@juno.com>

morris et all I have an 83 in a GE box. the tube itself is marked  
GE 83, the internals are just as you described. do we have a tube guru  
out here to tell more?? jack  
Jack Iverson K0EWU jackiv@juno.com  
ARRL, IEEE LM, RCA, AMI, ARCI, QCWA

On Mon, 08 Feb 1999 15:17:51 +1100 Morris Odell

<morriso@vifp.monash.edu.au> writes:

>Hi all,

>

>A find at a recent sale prompts me to ask this question:

>

>What governed the specifications for tubes and how comprehensive were

>(are) they? if someone wanted to make a tube of a given name, did it

>have to comply to an exact standard (like JEDEC) in all respects, or

>were functional criteria most important?

>

>I found a "Trigon" brand 5V4G which is like no other 5V4G I've ever

>seen. The usual 5V4G is an indirectly heated full wave rectifier with

>a

>5 volt heater connected to the cathode. The plates are rather flat

>with

>a minimal cavity around the cathode. This one is labelled 5V4G and has

>the same pin connections but the internal structure is a \*directly\*

>heated tube with quite large hollow plates a bit like a 5Y3 on

>steroids

>and four (yes, four) hairpins of filament in each anode assembly. The

>filaments are in parallel.

>

>I don't really have the facilities to test this tube fully except for

>trying it in some piece of gear and it seems to work OK.

>

>What gives here?

>

>73 de Morris VK3DOC

>

>

---

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>

or call Juno at (800) 654-JUNO [654-5866]

---

From: Kargokult@aol.com

Message-ID: <6369241f.36be91a8@aol.com>

Date: Mon, 8 Feb 1999 02:26:32 EST

To: Old Tube Radios <boatanchors@theporch.com>

Mime-Version: 1.0

Subject: Re: WW-II Radio scenario help needed by author

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

In a messagegram dated 99-02-07 22:28:34 EST,

jproc@idirect.com keyed:

> Clue - What about the state of the sunspot cycle during the  
> WW2 years? That would certainly have a lot of other implications  
> such as ease of enemy radio traffic interception for both sides.

Roberta's point about low power being questionable for the pond  
jump is right on.

Consider, you're not working with a really wonderful dipole up  
100 feet. What kind of antenna would you imagine to be used in  
this role? Then, hook a 20-w output, maximum, transmitter to it.  
This is fine if you want to try for a QSL from Germany, and there's  
no particular time limit on tries. But this is not ham radio, and  
you need to reliably get the message thru.  
hue

-----  
Message-ID: <36BEB5C.487D@primus-online.de>  
Date: Mon, 08 Feb 1999 11:28:53 +0100  
From: Heinz und Hannelore Breuer <hbreuer@primus-online.de>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: WW-II Radio scenario help needed by author  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jerry Proc wrote:

>  
> Clue - What about the state of the sunspot cycle during the WW2 years?  
> That  
> would certainly have a lot of other implications such as ease of enemy  
> radio  
> traffic interception for both sides.

Hi Jerry and the group,

I remember reading something about US hams picking up transmissions  
on 10m originating from Rommel's Africa Corps. This was prior to the  
US entering the war. I probably read it in CQ about 2 or 3 years ago.  
The author was not sure if a contact was made.

73

Heinz - KF6FNC

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Date: Mon, 8 Feb 1999 06:11:11 -0500  
Subject: Re: WW-II Radio scenario help needed by author

Message-ID: <19990208.061112.-268759.4.WB3CTC@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
From: Michael M Oxenreider <wb3ctc@juno.com>

Yes I read that in CQ also. In think it was in a letter to the editor.  
73 Mike

On Mon, 08 Feb 1999 11:28:53 +0100 Heinz und Hannelore Breuer  
<hbreuer@primus-online.de> writes:  
>Jerry Proc wrote:  
>>  
>> Clue - What about the state of the sunspot cycle during the WW2  
>years?  
>> That  
>> would certainly have a lot of other implications such as ease of  
>enemy  
>> radio  
>> traffic interception for both sides.  
>  
>  
>Hi Jerry and the group,  
>  
>I remember reading something about US hams picking up transmissions  
>on 10m originating from Rommel's Africa Corps. This was prior to the  
>US entering the war. I probably read it in CQ about 2 or 3 years ago.  
>The author was not sure if a contact was made.  
>73  
>Heinz - KF6FNC  
>  
>

-----  
Message-ID: <36BEC5A7.DC3@worldnet.att.net>  
Date: Mon, 08 Feb 1999 06:08:23 -0500  
From: "John Dilks, K2TQN" <oldradio@worldnet.att.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: 1952 Callbook Lookup?  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jay H. Miller wrote:  
>  
> Anybody have a 1952 (or thereabouts) Callbook that could look up a callsign

> for me?

----- snip -----

Jay,

I'd be happy to, what is the call?

--

73' John Dilks, K2TQN

Please visit my OldRadio Museum  
<http://www.eht.com/oldradio/museum>

Webmaster for the Antique Wireless Association  
<http://www.ggw.org/awa> Click on "Page 2"

--and--

for the New Jersey Antique Radio Club  
<http://www.eht.com/oldradio>

-

-----  
Message-ID: <36BEEEA6.312764B1@groupone.net>

Date: Mon, 08 Feb 1999 06:03:18 -0800

From: Dan Arney <kn6di@groupone.net>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

CC: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: WW-II Radio scenario help needed by author

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I replied directly to Judith as she does not have access here. I pointed out all of the items that have been discussed here plus a few more in my original posting to her. I also named one of her characters in her book, which floored her. Although he was not the agent in question.

She replied with thanks to all of the group that had responded to her.

73

Hank

-----  
Date: Mon, 8 Feb 1999 09:16:43 -0500

From: "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>

Subject: RE: Military tube tester question

To: Old Tube Radios <boatanchors@theporch.com>

Message-ID: <199902080916\_MC2-69AC-B250@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: quoted-printable



Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Phil & group,

Keep them both. Or if you decide to get rid of one, let me have the TV-3=

<grin>. For one reason or another, I've always considered the TV-2, -4 a=nd

-6 to be special purpose instruments. The I-177, TV-3 and -7 are more general purpose. For sorting as good or bad a batch of different types=

of tubes, the setup time with the TV-2 is too long, so I usually use the TV-7 for that sort of thing (or the I-177). On the other hand, you can s=et

all of the electrode voltages independently on the TV-2, so it would be t=he

set of choice for matching tubes. The I-177, with the MX-949/U, will tes=t

tubes like the 832, which the others won't (no socket). I bought my I-17=7

in 1962 from Charlie in Jacksonville, AR (hi Charlie). From a practical standpoint, you probably don't need both a TV-3 and -7. =

The TV-3 was built for the Navy as a replacement for WW-II sets like the OAW. The TV-7 was the Army's replacement for the I-177. Don't know why they didn't just pick up the TV-3. Interesting thing about the dates of the TV-2, -3 and -7. The earliest known (to me) manual on the TV-3 is dated 1949, whereas for the TV-2 it is 1955 and for the TV-7, 1953.

The TV-4, part of AN/USM-3, is a little portable set with limited capability similar in size to the some of the pre-war Weston models. The=

TV-6 was built to test some special-purpose tubes whose type escapes me a=t

the moment. Maybe it was indicator tubes? Looking through my files, the=re

were another dozen or so types built for the military before, during and after WW-II, such as the AN/USM-118 (Hickock Cardamatic), but I've never had any of them.

73,

Robert Downs

WA5CAB

Houston, TX

-----

From: Jderm740@aol.com  
Message-ID: <ed21da20.36bef56e@aol.com>  
Date: Mon, 8 Feb 1999 09:32:14 EST  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: oldradio@worldnet.att.net, boatanchors@theporch.com  
Mime-Version: 1.0  
Subject: WW2 Spy Novel  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Good morning Ms. Reveal et al

I saw your request via John Dilks and would suggest your premise is a little fanciful.

If you read a copy of "The Game of the Foxes" by Ladslo Farago you will see tales of German spies infiltrated into countries of Europe and the US, prior to the outbreak of hostilities, in which the spies made their own transmitters from readily available parts purchased from local radio stores. They had training and plans and assembled what they needed when they got to where they were assigned. Now about the French. They might have sent their man to the US with a prebuilt set but getting it through customs and then finding compatible tubes in American consoles I think is unlikely.

But that's the French for you. "Viva la difference" as they like to say.

Jack McDermott Jderm740@aol.com

-----  
Message-Id: <3.0.1.32.19990208095413.00693a18@pop.mindspring.com>  
Date: Mon, 08 Feb 1999 09:54:13 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Garey Barrell <k4oah@mindspring.com>  
Subject: Help ! - TV-7D  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have a TV-7D with a problem.....

I have a copy of the test sheet from the last calibration for this unit, and when the filament voltages are correct, the Line Adjust reading is about 5 divisions above "SET" point. Resistances in the Line Adjust circuit are all right on, and the meter rectifier seems to be OK.

The meter (out of circuit) measures 162 uA full scale, and is linear all the way to zero. I think this is supposed to be a 200 uA meter, but no specification in the service manual. The internal resistance measures 2.37k. Shunting the meter to make it 200 uA full scale improves the situation, but I believe the internal resistance of the meter is significant in the circuit, and the shunt makes it even lower.

Anyone know what the full scale and internal resistance of the meter SHOULD be?? Anybody got a spare meter?? :-) Someone on here down around Macon had several a few years ago, but I was too late.....

Thanks for any help / advice.

73,

Garey - K40AH  
k4oah@mindspring.com  
Atlanta

-----  
Date: Mon, 8 Feb 1999 10:08:58 -0500 (EST)  
From: Nick England <nick@cs.unc.edu>  
Message-Id: <199902081508.KAA15486@altair.cs.unc.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: analog and digital

For those interested, I can heartily recommend two good books about "analog" design considerations in real-world digital systems. One is "Digital Systems Engineering" by William J. Dally and John W. Poulton (here's the boatanchor connection - John KF40ZY is a BA listmember and avid boatanchor fan) The other is "High Speed Digital Design, A Handbook of Black Magic", written by Howard J. Johnson and Martin Graham.

OK, back to thermionic thaumaturgy,  
Nick

-----  
Message-ID: <001501be5378\$16ad7540\$7f582299@default>  
From: "Paul Bernhard Sr." <w2tu@email.msn.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RBA-C needed - info on tbx-8  
Date: Mon, 8 Feb 1999 10:31:23 -0500

Hi all;

The snow has cleared in Buffalo and I may be able to get to the ship this week to start on the Emergency Radio room restoration. There are spaces for two receivers above the ops position. On the left the RBA is still there (although it needs work) but the case on the right is empty. (I don't know exactly which one it contained). I could use any of the RB\* units in the hole to cosmetically complete the station. I only need the panel to fill the open space and look good. The original rcvr is black (not Navy Grey) so if anyone has a gutted or non-working unit it could be put to good use.

Also, I have found in the recent gear acquired a Navy TBX-8 transceiver. It appears to be VHF with tubes like 2E22, 1N5, 1A5, 991, 3A4, etc. Where can I find some info on this?  
Thanks.

Paul B. W2TU/NNNOGNB

w2tu@email.msn.com

<http://www.geocities.com/~dd537>

-----  
Message-ID: <005801be5380\$0d714940\$0300a8c0@cyber>  
From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: <oldradio@worldnet.att.net>, <boatanchors@theporch.com>  
Subject: Re: WW2 Spy Novel  
Date: Mon, 8 Feb 1999 17:26:50 +0100  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

. Now about the French. They might have sent their man to the US  
>with a prebuilt set but getting it through customs and then finding  
compatable  
>tubes in American consoles I think is unlikely.  
>But that's the French for you.

"Viva la difference" as they like to say.

Not quite : Viva is Spanish !! hi

73 Rag oz8ro

-----  
Message-Id: <199902081628.LAA16612@cliff.concentric.net>  
From: "John K9UWA" <k9uwa@cris.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Mon, 8 Feb 1999 11:29:55 -0500  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT  
Subject: FS: 3,700 kc xtals

Anyone have use for 3.700 mhz JAN xtals in standard FT-243 holders??..I found 12 or 13 of them in a junkbox that came from a SK locally. Make offer including shipping from 46765 (Indiana) zipcode.  
Thanks  
John K9UWA

John Goller, K9UWA & Jean Goller, N9PXF  
Antique Radio Restorations  
k9uwa@cris.com  
k9uwa@concentric.net

<http://www.concentric.com/~k9uwa/>

-----  
Date: Mon, 8 Feb 1999 12:05:46 -0500  
Message-Id: <199902081705.MAA16936@brill.shiva.com>  
From: John Shriver <jas@shiva.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: boatanchors@theporch.com  
Subject: Re: Tube question

Tube types were registered with JETEC (Joint Electron Tube Engineering Council) of the RMA (Radio Manufacturers Association). These are now JEDEC (Joint Electronic Device Engineering Council) of the EIA (Electronics Industry Association).

I've never seen a JEDEC tube file, but I've seen transistor files. (There's a service with all transistor and IC specs on CD, and they put in the JEDEC files on old transistors.) One manufacturer would send in a data sheet. Others would comment on it, perhaps the information was insufficient to second-source the part. Finally, there's some agreement, and JEDEC assigns a number (and pockets a fee).

Last I knew, JEDEC would copy a file for a fee of 50 cents a page.

I have no idea if there was any enforcement of people stamping a JEDEC tube number on a tube that didn't meet the specs. Maybe for JEDEC members, probably not for the rest...

There were a lot of sleazy tube operations in the 1950's.

-----  
Message-Id: <199902081706.HAA21742@haleakala.aloha.net>  
Date: Mon, 08 Feb 1999 07:07:28 -1000

To: Old Tube Radios <boatanchors@theporch.com>  
From: David and Shari Abell <dabell@aloha.net>  
Subject: TV3/U manual needed  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi,

I just acquired a TV3/U and need a copy of a manual. Will gladly pay copying and postage costs.

Thanks,

Dave, WH6OL

-----  
Date: Mon, 8 Feb 1999 12:14:42 -0500 (EST)  
From: William Donzelli <william@ans.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: 1V2s  
Message-Id: <Pine.GS0.3.96.990208121223.389K-1000000@titan.purch.ans.net>  
Mime-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a bunch of 1V2 tubes. These look like they ought to fit it in the whole battery tube category, but looks to be for high voltage (-ish) applications.

Are these useful for anything? Should they get shelved with all of those damn Compactrons I will never use? Does anyone need any?

Note, \_Tube\_Lore\_ has nothing to say...

William Donzelli  
william@ans.net

-----  
Message-ID: <36BDCD4E.E1E5808A@earthlink.net>  
Date: Sun, 07 Feb 1999 09:28:53 -0800  
From: "Kenneth J. Lopez" <kjlopez@earthlink.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Various and Sundry  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit

Henry van Cleef wrote:

>  
> Show me the hi-fi amplifiers built around 807's and 6146's for  
> commercial sale---I never saw a one, although the 6146 is vastly  
> superior to the 7591 and some of the 6L6-on-steroids tubes actually  
> sold in bake-themselves-to-death consumer electronics.

Actually, I have seen such amplifiers. They were made by Altec-Lansing and were the standard of Motion Picture Theaters for about 30 years in various forms. I remember two models, the # 1569 was one, and I have forgotten the other. The 1569 was capable of Eighty watts out , and the second amp, running 807s could deliver 150 watts rms. I'll go dig out the old master catalogue if any one is interested. These amps were the mainstay of installed sound systems for decades, including theater, churches, stadia, racetracks, etc., and were adopted for the first high level portable sound systems in the '60s. There were others that have long faded into memory that used the 6146. One commercial bass guitar amp used 6. It was highly failure prone and later changed to 6550's. I remember seeing many amps from companies such as Langevin, Rauland, Altec, and a few others that were truly battleship designs, with drop down front panels for service in a rack. A little heavy for portable use, though. Solid state took over simply by virtue of the watts per pound equation. Everyone loved the sound of the old tube amps, but no one wanted to carry them.

Cheers,  
Ken N6TZV

-----  
Date: Mon, 8 Feb 1999 13:06:03 -0500  
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)  
Message-Id: <199902081806.NAA20718@aa4rm.ba-watch.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: APS23 APB (no jpg)

A pal is using an APS23 radar's PPI display (called A, B ,C, D?? display in ww2 / ref. W. Donzelli)

Have pic of one in early B52 & there's one shown in the '2nd seat' of a Black Widow in an AWA journal

Anyone know APS23\* specifics?

Tks,

Marty

APS => Aircraft Pulse Search (system) APS13 was famous 440 'tail end  
charlie' using 6J6s

-----  
Date: Mon, 8 Feb 1999 13:15:10 -0500 (EST)  
From: William Donzelli <william@ans.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: APS23 APB (no jpg)  
Message-Id: <Pine.GS0.3.96.990208131102.389M-1000000@titan.purch.ans.net>  
Mime-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

> A pal is using an APS23 radar's PPI display (called A, B ,C, D?? display in  
> ww2 / ref. W. Donzelli)

I think the PPI display is officially called a P-scope, but it probably  
changes to something else if it has range rings.

William Donzelli  
william@ans.net

-----  
Message-ID: <30AB00986E91D211A08B00104B8942F0045B7F@ORAMAIL>  
From: Matt Jodziewicz <mattj@oraus.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: CE200V Schematic  
Date: Mon, 8 Feb 1999 10:54:57 -0800  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="-----\_=\_NextPart\_001\_01BE5394.8B48A520"

This message is in MIME format. Since your mail reader does not understand  
this format, some or all of this message may not be legible.

-----\_=\_NextPart\_001\_01BE5394.8B48A520  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Does anybody have a schematic for the CE200V? A0 I have a CD100V  
and would like to modify it to include the PS and audio circuit changes =  
that  
were put into the CE200V. A0 Any help, such as photocopies of even  
these sections of the schematic would be helpful.





-----  
End of BOATANCHORS Digest 2421

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>From ???@??? Tue Feb 09 02:27:13 1999  
Date: Mon, 8 Feb 1999 18:13:12 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2422  
Message-Id: <19990209000258.AFC80125DA@devel43.theporch.com>

BOATANCHORS Digest 2422

Topics covered in this issue include:

- 1) New Rx in the shack - SX-42  
by "Mike Warren" <w5maz@earthlink.net>
- 2) New Rx in the shack - SX-42  
by "Mike Warren" <w5maz@earthlink.net>
- 3) Codar rx  
by BEN NOCK <G4BXD@compuserve.com>
- 4) German WWII rx For Swap  
by BEN NOCK <G4BXD@compuserve.com>
- 5) Re. Technology runs amok!  
by "Thomas A. Adams" <103360.2133@compuserve.com>
- 6) Re. WW2 radio scenario help...  
by "Thomas A. Adams" <103360.2133@compuserve.com>
- 7) RE: Does a 6293 = 6146?  
by Ed Sieb <esieb@gmsiworld.com>
- 8) Re WW2 and french tubes  
by philip mccoy <dgnova@erols.com>
- 9) The New England Wireless and Steam Museum on TV!  
by "John Dilks, K2TQN" <oldradio@worldnet.att.net>
- 10) HAPPY99.exe attachment IMPORTANT!!  
by john <johnmb@mindspring.com>
- 11) 6 meter amps for sale  
by dick a george <k6kwq@juno.com>
- 12) Re: WW-II Radio scenario >>>==> She thanks us!  
by "John Dilks, K2TQN" <oldradio@worldnet.att.net>

-----  
Message-ID: <009b01be5396\$3d009240\$2309010a@mike-warren.fs.com>  
From: "Mike Warren" <w5maz@earthlink.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: New Rx in the shack - SX-42  
Date: Mon, 8 Feb 1999 13:07:13 -0600

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Greetings All,

I acquired a Hallicrafters SX-42 this weekend.

Any 'words of wisdom' from the group on this fine old radio?

Thanks,

Mike Warren  
W5MAZ (in MN)

-----  
Date: Mon, 8 Feb 1999 13:11:59 -0600 (CST)  
Message-Id: <199902081911.NAA11725@gort.fs.com>  
From: "Mike Warren" <w5maz@earthlink.net>  
Subject: New Rx in the shack - SX-42  
To: Old Tube Radios <boatanchors@theporch.com>

Attachment Converted: "c:\eudora32\Attach\Happy99.exe"

-----  
Date: Mon, 8 Feb 1999 15:04:11 -0500  
From: BEN NOCK <G4BXD@compuserve.com>  
Subject: Codar rx  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199902081504\_MC2-69B8-C0DE@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

FOR SALE/SWAP

Codar CR-70A Mk II hf rx,  
with PR-40 Preselector 35.00 Pound (U.K.)

plus postage

Ben.

-----  
Date: Mon, 8 Feb 1999 15:04:11 -0500  
From: BEN NOCK <G4BXD@compuserve.com>  
Subject: German WWII rx For Swap  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199902081504\_MC2-69B8-C0DD@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

1944 German WWII Torn B rx, with battery box. All valves fitted, Good condition but missing the front covers. It has its psu lead with plugs etc.

Will swap for:

other military set, hf only, WWII, am/cw or maybe even cw only,  
no vhf (30MHz upwards) wanted, =

to save space and time will only reply if offered set is of interest.

cheers, Ben. G4BXD.

-----  
Date: Mon, 8 Feb 1999 15:36:45 -0500  
From: "Thomas A. Adams" <103360.2133@compuserve.com>  
Subject: Re. Technology runs amok!  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199902081537\_MC2-69AD-906D@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Greetings, Bobbi!

First, re. that pix that got posted:

It was useful here in an oblique sorta way. I've been too busy to deal with BA traffic lately, and I've been saving it until better times. However, when a 1.6 MEG BA file downloads, and downloads, and downloads (for the better part of 20 minutes!) from the mailbox, THAT sure as hell gets your attention! Your curiosity gets the better of you, and ya look things over IMMEDIATELY, even when you already know that it's gotta be a case of somebody doing something dumb! <<grin>> In any case, it made me deal with

the mounting piles of BA traffic.

Interestingly tho, I haven't looked at the monster file itself. I just hit the BAs after it to see who complained.

Now that I know what it is, I'll have to go digging into the computer directory structure to find this mess and delete it (Compuserve software sticks anything over about 40K into a seperate download area that can't be accessed thru the main screen... and THAT turns a well intentioned but not well thought out bit of spam into a major bad will producing irritant).

I just LUV it when somebody decides to pull something like this... if nothing else, it livens up the traffic stream with invective!

Re. CW... I'm reluctantly coming to the conclusion that the item you saw may well be right. Just get on 40 metres sometime and call CQ at 20 WPM on a bug... and listen to the silence....

I get the sad feeling that when our generation passes on, CW will be a lost art; it's already a dying language, like Yiddish.

It has a good point tho, sort of... have you priced the optional narrow CW filters for ricebox radios lately?

73's,

Tom, W9LBB

Indeed this IS a case of technology running amok.

-----  
Date: Mon, 8 Feb 1999 15:36:40 -0500  
From: "Thomas A. Adams" <103360.2133@compuserve.com>  
Subject: Re. WW2 radio scenario help...  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: J reveal <JReveal@worldnet.att.net>  
Message-ID: <199902081537\_MC2-69AD-906C@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Greetings Judith.

For my money, the scenario would only work if immediately after the first transmission the guy gets grabbed by the FBI and tried on a charge of espionage!

As many here know, all amateur stations in the US were shut down almost immediately after Pearl Harbor. While this was done supposedly to cut down on espionage possibilities (even tho real spy operated stations wouldn't shut down... they'd just change operating methods), I think there was ANOTHER reason, far more practical.

In this time frame the FCC had a very active monitoring branch called the Radio Intelligence Division, or RID, which among other things was actively looking for just such shenanigans on the air. Removing ham stations just reduced the workload for RID, and exposed the clandestine transmissions that could have hidden among them.

The moment he touched the key the odds were very good that wour character would be heard, and direction finders would be all over him. In coastal areas of the US especially, the local military authorities would be breaking down the door in short order, all due to the efforts of RID..

...not to mention the various military D/F networks that RID worked with.

To give you an idea of just how good these folks were; in David Kahn's book "The Codebreakers", he mentions the case of a German submarine, U66, in American near coastal waters that sent a report to his base at Lorient, France. The message was prerecorded and sent at high speed, total transmission time amounting to less than 15 seconds. In that time, no fewer than 26 direction finding stations got solid bearings on him! (page 504, chapter "Duel in the Ether: Neutrals and Allies").

Re. the equipment... it would be much more practical for your man to BUILD a simple, low power transmitter from junk obtained over here once he arrived.

First, he'd have one hell of a time bringing a radio transmitter thru Customs on arrival from France or French territory... and they'd look him over CAREFULLY, because of the possibility that his sympathies might lie with the Vichy regime, assuming he tried to get in after the fall of France.

Second, for replacement tubes he'd be up the well known creek trying to use American tubes; he'd have to redesign and rebuild the transmitter every time he needed a replacement!

Also... radio tubes were a difficult commodity to come by in WW2... rationed, ya know. The person he swipes 'em from would SURE notice if the

radio was in regular use.

As to specific tube types... I'd go with a type 6L6 wired as a crystal controlled oscillator. Except for the crystal (which is small enough that he could have probably smuggled it in pretty easily), virtually all of the parts for his transmitter could come from a junked home broadcast receiver, and stuff obtained at a local hardware store.

In any case, I'm glad to see there are SOME writers who bother to do some homework on technology matters. When they don't, the results are spectacular howlers.

My particular favorite is in the book "The Jesus Factor" (dealing with the atomic bomb during WW2). A member of the crew on the first bombing mission (1945) mentions that he was idly listening to the CW transmissions from the plane's radio operator... he could read code because as a civilian, he'd just gotten his Novice Class ham license about the time he was drafted.

Only problem with all this is that the Novice class license wasn't introduced until about 1952.

73's,

Tom, W9LBB

-----  
Message-ID: <01BE537E.2AD465A0@esieb.gmsiworld.com>  
From: Ed Sieb <esieb@gmsiworld.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Does a 6293 = 6146?  
Date: Mon, 8 Feb 1999 16:14:51 -0500  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

The 6293 is a ruggedized version of the 6146 and I believe designed for pulse applications.

It is considered a more rugged and robust version of a 6146.

This one is a "sleeper", in that one sometimes sees it at hamfests, often offered for next-to nothing,

and easily passed up by the unwary. I grab all I find.

[Shhhh... Let's keep this amongst ourselves.] ;-)

73, de Ed VA3ES/VE2BAQ (that's Boat Anchor Quality)

~~~~~  
Ed Sieb, VA3ES                va3es@rac.ca  
P. O. Box 8377, Ottawa Terminal, Ottawa, Ontario, K1G 3H8  
613-738-8924 (H)        613-599-5161 (W)  
AMI #529 Canadian Division Director.  
Member - Radio Club of America, QCWA, AWA  
Net Manager - Canadian Boat Anchor Net (3745 Kcs)  
~~~~~

-----  
Message-ID: <36BF846F.2283@erols.com>  
Date: Mon, 08 Feb 1999 16:42:23 -0800  
From: philip mccooy <dgnova@erols.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re WW2 and french tubes  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Having some experience with french radios, I collect them wherever  
I can find them, which not very often, hint hint:

French radios, both military and domestic, used tubes of european and  
of american origin. The american type tubes were manufactured under  
license and were duplicates of american types  
examples: 6K7, 6F7, 954 acorn etc.

The spies radio could easily be designed to use parts replaceable  
in the USA. The set itself could be carried over in the diplomats  
(sorry about spelling) pouch, which is not inspected by customs.  
The spy's radio would not have to reach france but only to the  
french embassy, where it would be relayed to france.

I used to live in washington DC. When passing the embassies, this is  
about 20 years ago, you would see a forest of radio antennas located  
on the embassy buildings. Real nice and very large beam antennas. So  
you knew they had good radio setups.

-----  
Message-ID: <36BF68F1.5B34@worldnet.att.net>  
Date: Mon, 08 Feb 1999 17:45:05 -0500  
From: "John Dilks, K2TQN" <oldradio@worldnet.att.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: The New England Wireless and Steam Museum on TV!  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit



To all,

This message is being sent to several lists.....

The New England Wireless and Steam Museum on TV!

WGBH, the Boston PBS station, filmed scenes for the February 15, 1999 "American Experience" at the NEWSM. This show tells about the collision between the ships Republic and Florida in 1909 and how wireless played a part in saving 1,500 lives.

The mockups of the wireless stations were built at the museum and the museum's equipment was used for props. The show is on at 8:00 PM in the Boston area.

Museum web page - <http://users.ids.net/~newsm/>

>From K2TQN:

This is a wonderful place to visit. It's just 5 minutes off of 95 in Rhode Island. You can spend quite a bit of time here. Try visiting via the web first.

--

73' John Dilks, K2TQN

Please visit my OldRadio Museum  
<http://www.eht.com/oldradio/museum>

Webmaster for the Antique Wireless Association  
<http://www.ggw.org/awa> Click on "Page 2"

--and--

for the New Jersey Antique Radio Club  
<http://www.eht.com/oldradio>

-

-----  
Message-Id: <3.0.3.32.19990208180739.00b06b8c@mindspring.com>  
Date: Mon, 08 Feb 1999 18:07:39 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: john <johnmb@mindspring.com>  
Subject: HAPPY99.exe attachment IMPORTANT!!  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Someone recently posted a mail message to the list regarding a SX42. Attached to the message is an executable file named HAPPY99.EXE.

This rang bells with me, and indeed seems to be a known virus  
(see, for example any of the search engine entries for happy99.exe  
or [http://www.pspl.com/trojan\\_info/win32/happy99.htm](http://www.pspl.com/trojan_info/win32/happy99.htm) for example).

It cant replicate itself unless you execute the attachment... delete  
it without executing it and you'll be ok.

It's never a good idea to execute unknown attachments, and  
apparently particularly not this one.

I do believe this is accurate ... research on your own, but certainly  
do not execute this attachment!!

Back to BA's !  
/John

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Date: Mon, 8 Feb 1999 16:04:53 -0800  
Subject: 6 meter amps for sale  
Message-ID: <19990208.160454.-122981.0.K6KWQ@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
From: dick a george <k6kwq@juno.com>

I have 2 ea homebrew 6 meter amps for sale. The first is a pair of 3-500z  
complete except for high voltage supply this is a table top unit ,tube  
condition is questinable. \$200.00 and i will pay shipping ups conusa

The second is a pair of 4CX350,s also homebrew classic design needs high  
voltage and screen supply new tubes never used.\$350.00 and I will pay  
shipping ups conusa.

K6KWQ@JUNO.COM  
EX WA6JOX  
12 VOLT RADIOS ARE FOR SISSEYS  
REAL RADIOS CAN KILL YOU

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Message-ID: <36BF7CB9.49CA@worldnet.att.net>

Date: Mon, 08 Feb 1999 19:09:29 -0500  
From: "John Dilks, K2TQN" <oldradio@worldnet.att.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: WW-II Radio scenario >>>==> She thanks us!  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Judith Reveal wrote:

>  
> John - I am receiving e-mails as fast as I can print them and highlight  
> the information! I am eternally grateful for all of the expertise. I am  
> finding that the data I am getting is, for the most part, the same  
> discription and explanation, so I know I'm on the right track. For  
> those few discrepancies, I think that may be due to my inability to  
> write a short synopsis of this very involved story, in an e-mail! (Might  
> as well write the whole novel!)  
>  
> Anyway, I'm having a great time with this and have a greater  
> appreciation for old time radio that I have had in the past!  
>  
> Judy

----- a new scenario ? -----

>From K2TQN....

How about a story where 30 or 40 middle-age radio collectors save the planet from an invasion of Amazons from Venus? :-)

Collectively we should write a novel. Each one of us would be incharge of a single chapter. Think of the possibilities! And the plot meetings could go on for days at a time. Lot'sa 807's here.

--

73' John Dilks, K2TQN

Please visit my OldRadio Museum  
<http://www.eht.com/oldradio/museum>

Webmaster for the Antique Wireless Association  
<http://www.ggw.org/awa> Click on "Page 2"

--and--

for the New Jersey Antique Radio Club  
<http://www.eht.com/oldradio>

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End of BOATANCHORS Digest 2422

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